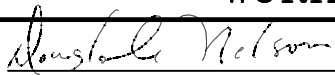
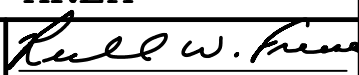
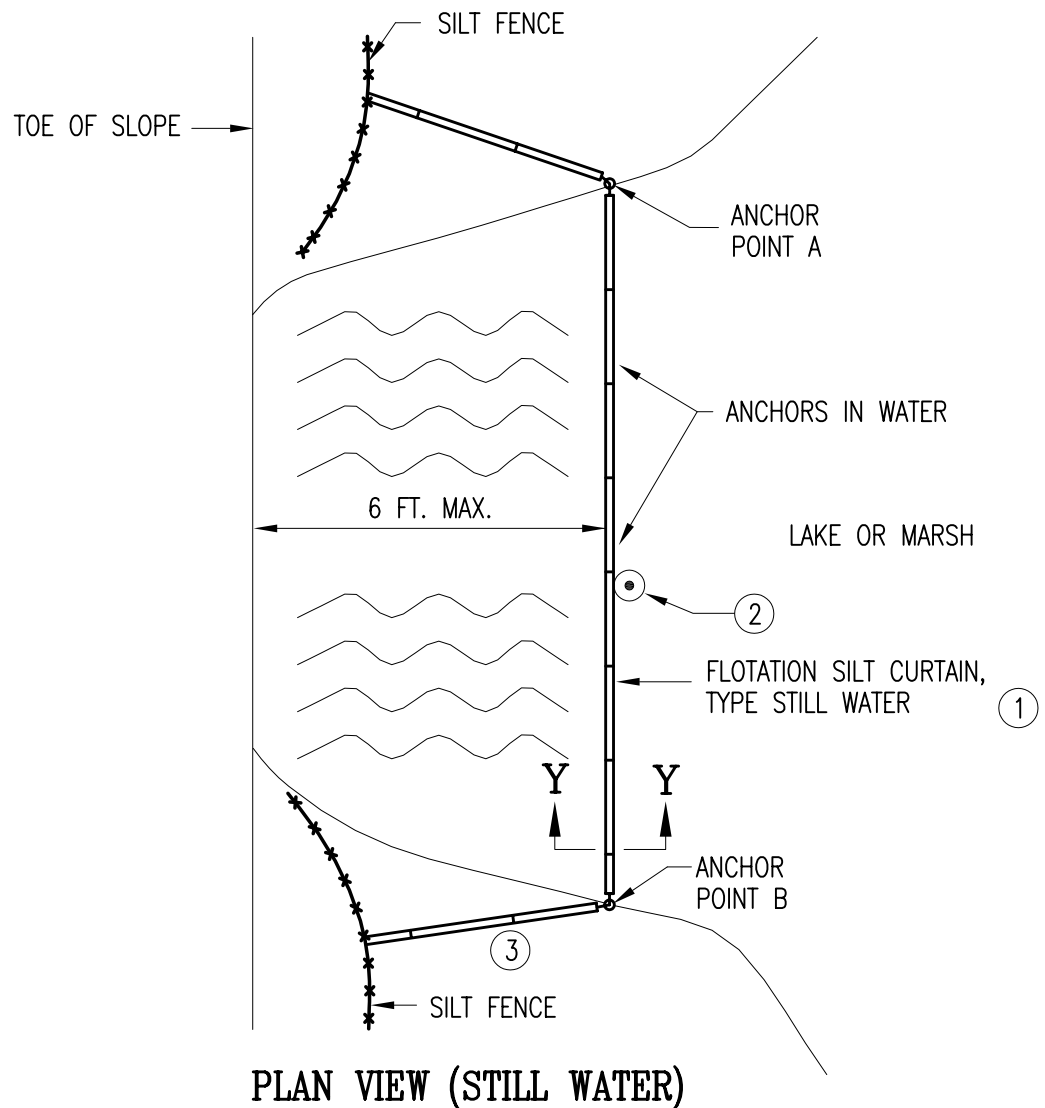


NOTES:

SEE SPECS. 2573 & 3887.

- ① 100 FT. MAX. SPACING BETWEEN ANCHORS. ANCHORS WEIGH MIN. 40 LBS..
- ② USE ENOUGH ANCHORS TO HOLD SILT CURTAIN IN PLACE.
- ③ ON U.S. COAST GUARD OR OTHER MOTORIZED WATERWAYS, BUOYS ARE REQUIRED TO MARK THE ENDS AND SPECIAL AREAS FOR VISIBILITY. PLACE BUOYS AS REQUIRED FOR NAVIGATIONAL PURPOSES.
- ④ KEEP AS CLOSE TO WORK AREA AS POSSIBLE.
- ⑤ SILT CURTAIN, ROCK BERM OR SHEET PILE AS REQUIRED TO CONTROL THE INFILTRATION OF SILT.

DEPARTMENT OF PUBLIC WORKS CITY OF ROCHESTER, MINNESOTA FLOTATION SILT CURTAIN— WORK AREA			
 ASST. CITY ENGINEER		 DIRECTOR	
SHT 1 OF 6 SHTS	DATE REVISED 6/15/07	PLATE NO. 7-02	REV. A

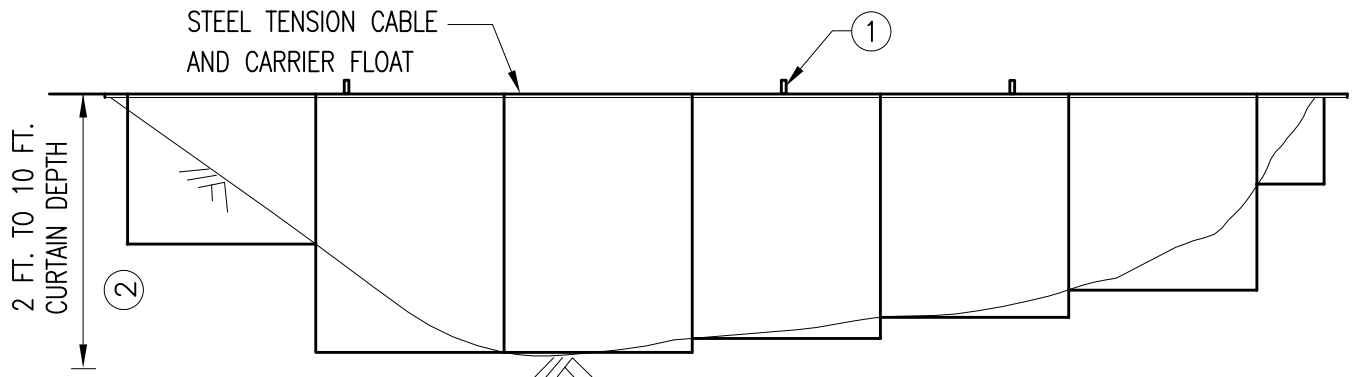
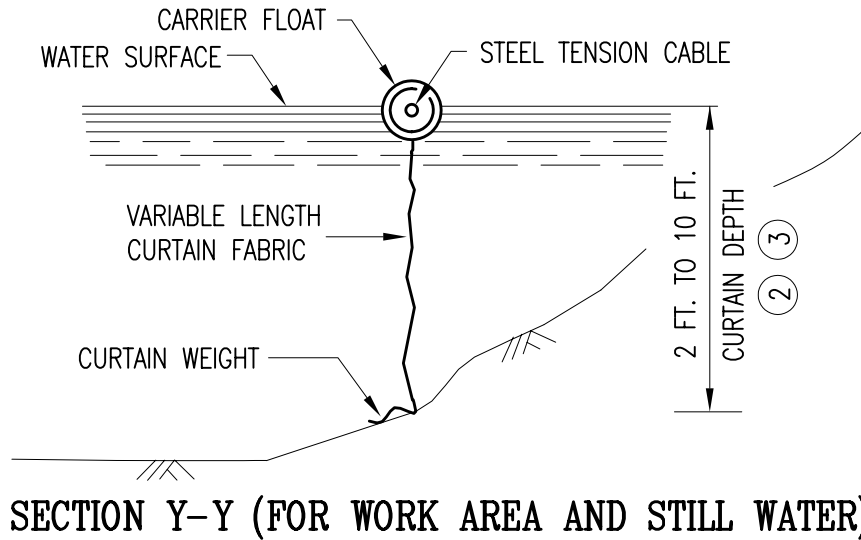


NOTES:

SEE SPECS. 2573 & 3887.

- (1) USE ENOUGH ANCHORS TO HOLD SILT CURTAIN IN PLACE.
- (2) ON U.S. COAST GUARD OR OTHER MOTORIZED WATERWAYS, BUOYS ARE REQUIRED TO MARK THE ENDS AND SPECIAL AREAS FOR VISIBILITY. PLACE BUOYS AS REQUIRED FOR NAVIGATIONAL PURPOSES.
- (3) IF 6 INCHES OR LESS OF WATER, USE BALE BARRIERS, SEE SHEET 2.

DEPARTMENT OF PUBLIC WORKS CITY OF ROCHESTER, MINNESOTA			
FLOTATION SILT CURTAIN— STILL WATER			
<i>Douglas Nelson</i> ASST. CITY ENGINEER		<i>Paul W. Finner</i> DIRECTOR	
SHT 2 OF 6 SHTS	DATE REVISED 6/15/07	PLATE NO. 7-02	REV. A


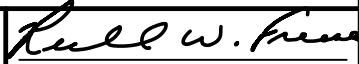


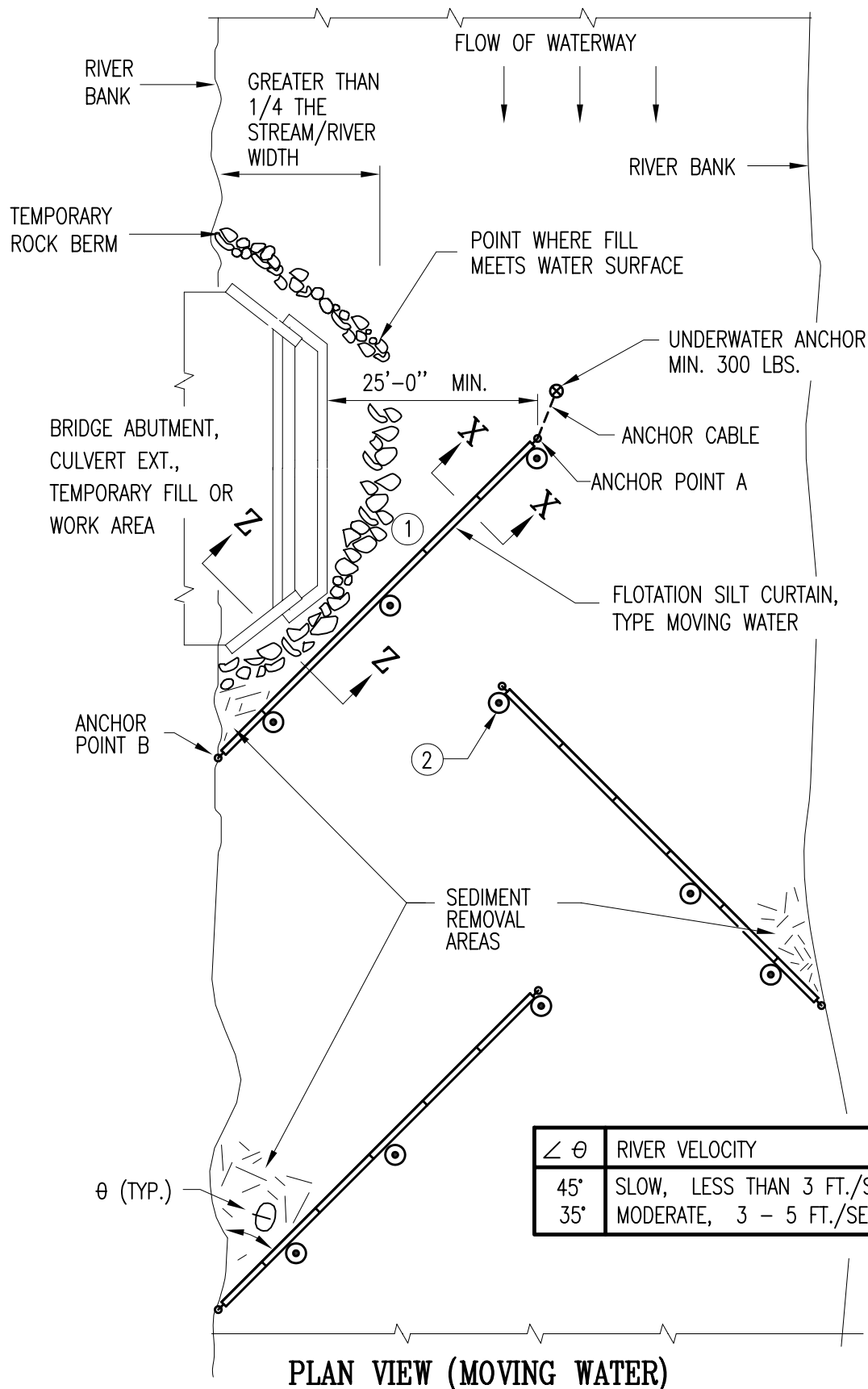
FLOTATION SILT CURTAIN – WORK AREA AND STILL WATER
FOR CONTAINING OVERFLOWS FROM WEIRS, STANDPIPES, SETTLING PONDS

NOTES:

SEE SPECS. 2573 & 3887.

- ① ON U.S. COAST GUARD OR OTHER MOTORIZED WATERWAYS, BUOYS ARE REQUIRED TO MARK THE ENDS AND SPECIAL AREAS FOR VISIBILITY. PLACE BUOYS AS REQUIRED FOR NAVIGATIONAL PURPOSES.
- ② WATER DEPTH CAN BE 0 FEET TO 10 FEET.
- ③ SILT CURTAIN HEIGHTS INCLUDES MAXIMUM WAVE HEIGHT FOR WATER BODY.

DEPARTMENT OF PUBLIC WORKS CITY OF ROCHESTER, MINNESOTA			
FLOTATION SILT CURTAIN— WORK AREA & STILL WATER			
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$\angle \theta$	RIVER VELOCITY
45°	SLOW, LESS THAN 3 FT./SEC.
35°	MODERATE, 3 - 5 FT./SEC.

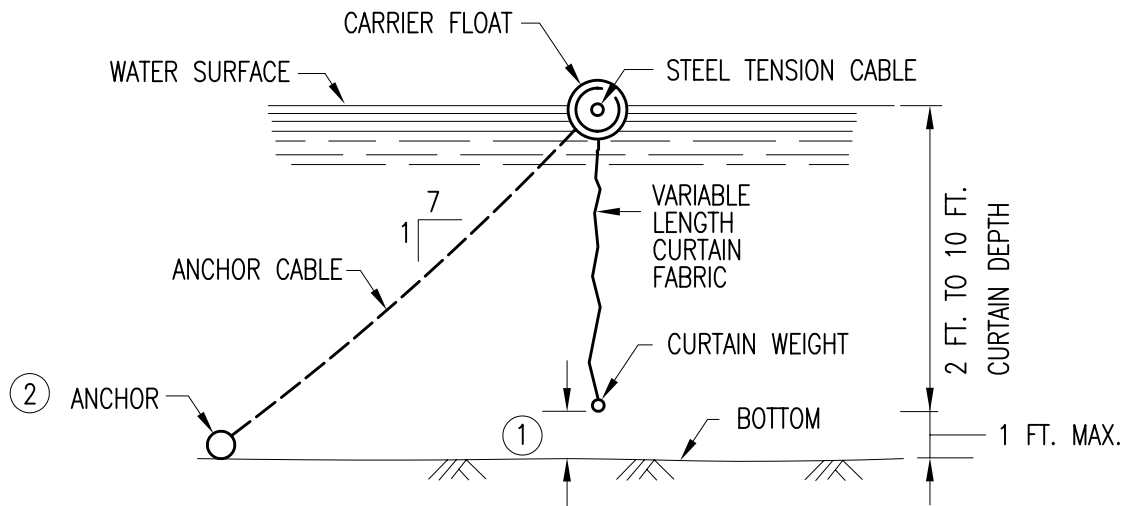
PLAN VIEW (MOVING WATER)

NOTES:

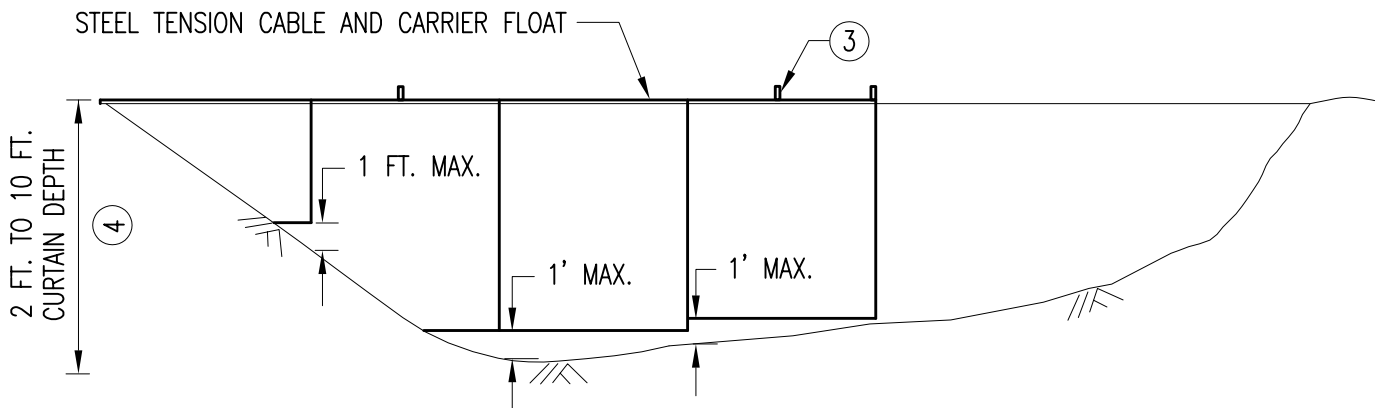
SEE SPECS. 2573 & 3887.

- ① 100 FT. MAX. SPACING BETWEEN ANCHORS. ANCHORS WEIGH MIN. 40 LBS..
- ② ON U.S. COAST GUARD OR OTHER MOTORIZED WATERWAYS, BUOYS ARE REQUIRED

DEPARTMENT OF PUBLIC WORKS CITY OF ROCHESTER, MINNESOTA			
FLOTATION SILT CURTAIN— MOVING WATER			
<i>Donald Nelson</i> ASST. CITY ENGINEER		<i>Paul W. Finner</i> DIRECTOR	
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SECTION X-X



FLOTATION SILT CURTAIN - MOVING WATER

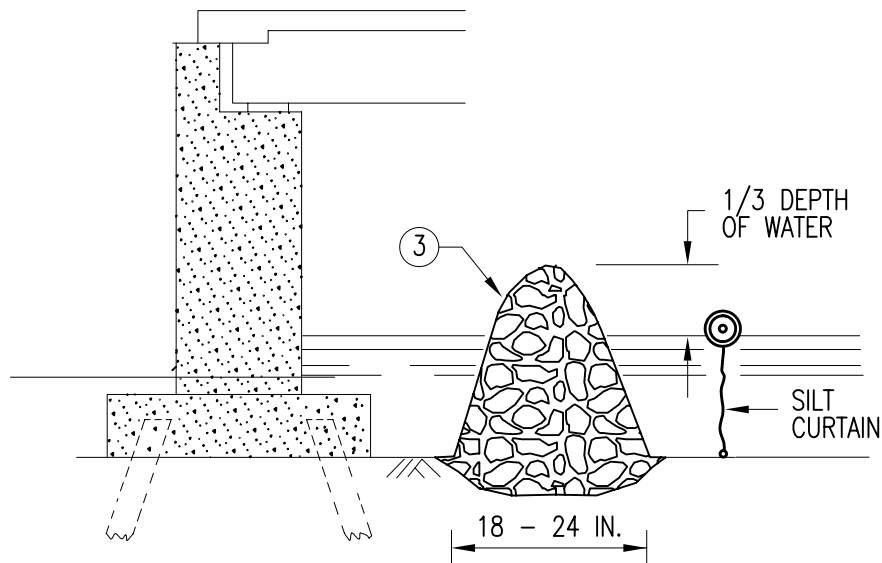
USE FOR SMALLER RIVERS
WITH SLOW OR MODERATE VELOCITY

NOTES:

SEE SPECS. 2573 & 3887.

- ① CURTAIN EXTENDS TO 1 FT. MAXIMUM FROM BOTTOM OF WATER BODY.
- ② USE ENOUGH ANCHORS TO HOLD SILT CURTAIN IN PLACE.
- ③ ON U.S. COAST GUARD OR OTHER MOTORIZED WATERWAYS, BUOYS ARE REQUIRED TO MARK THE ENDS AND SPECIAL AREAS FOR VISIBILITY. PLACE BUOYS AS REQUIRED FOR NAVIGATIONAL PURPOSES.
- ④ WATER DEPTH CAN BE 0 FEET TO 10 FEET.

DEPARTMENT OF PUBLIC WORKS CITY OF ROCHESTER, MINNESOTA			
FLOTATION SILT CURTAIN- MOVING WATER			
<i>Donald Nelson</i> ASST. CITY ENGINEER		<i>Paul W. Finner</i> DIRECTOR	
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SECTION Z-Z TEMPORARY ROCK BERM FOR SEDIMENT CONTROL

DESIGN GUIDELINES: MOVING WATER

WHEN TEMPORARY FILL ENCROACHES MORE THAN
1/4 BUT LESS THAN 1/3 WIDTH OF THE STREAM.
MINIMUM WATER DEPTH: 3 FT.
MAXIMUM WATER DEPTH: 11 FT.
MAXIMUM WATER VELOCITY: 5 FT./SEC.

① ②

DESIGN GUIDELINES: WORK AREA

WHEN TEMPORARY FILL ENCROACHES LESS
THAN 1/4 OF THE WIDTH OF STREAM.
MAXIMUM WATER DEPTH: 10 FT.
MAXIMUM WATER VELOCITY: 5 FT./SEC.

DESIGN GUIDELINES: STILL WATER


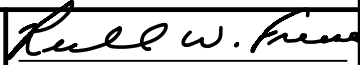
MINIMUM WATER DEPTH: 0 FT.
MAXIMUM WATER DEPTH: 10 FT.

②

NOTES:

SEE SPECS. 2573 & 3887.

- ① CURTAIN EXTENDS TO 1 FT. MAXIMUM FROM BOTTOM OF WATER BODY.
- ② SILT CURTAIN HEIGHTS INCLUDES MAXIMUM WAVE HEIGHT FOR WATER BODY.
- ③ IN AREAS WHERE THE PLAN CALLS FOR RIPRAP AT THE BRIDGE, A TEMPORARY ROCK BERM WILL BE USED TO PROVIDE ADDITIONAL PROTECTION. THE TEMPORARY ROCK BERM IS INCIDENTAL FOR WHICH NO DIRECT PAYMENT WILL BE MADE.

DEPARTMENT OF PUBLIC WORKS CITY OF ROCHESTER, MINNESOTA			
FLOTATION SILT CURTAIN— DESIGN GUIDELINES			
 ASST. CITY ENGINEER		 DIRECTOR	
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